

FIG. 1

16a

Quadrature Mach-Zehnder Modulation Device

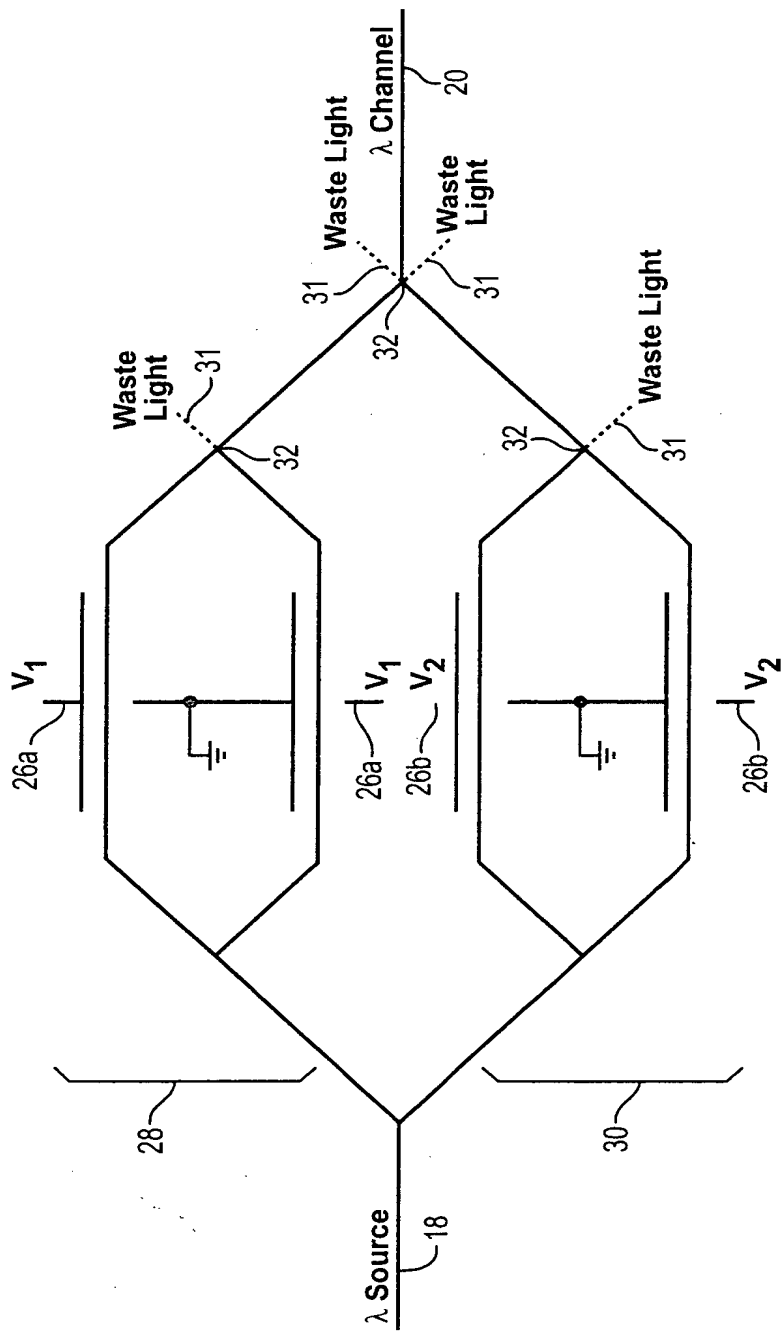


FIG. 2

Mach-Zehnder Device Transfer Function

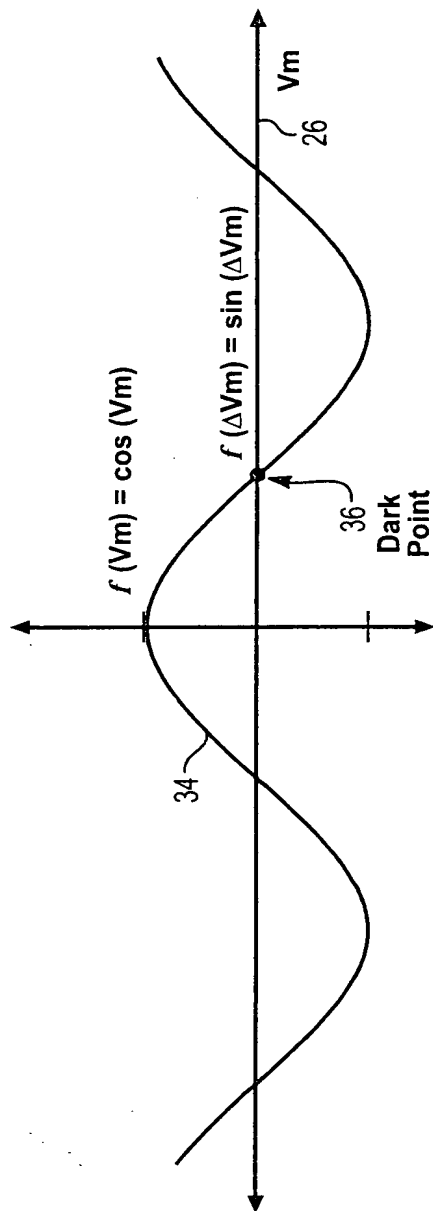


FIG. 3

12

Modulation Synthesizer

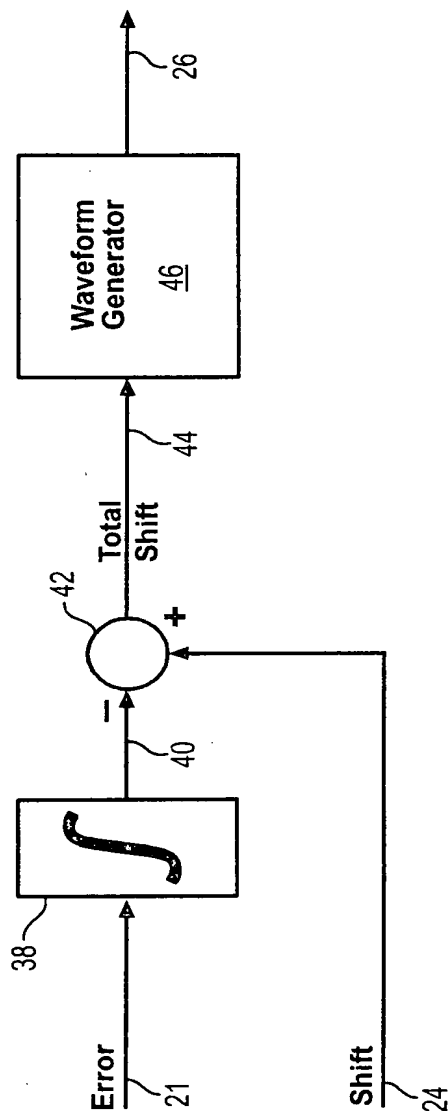


FIG. 4

12

Quadrature Modulation Synthesizer (With On/Off Data Keying)

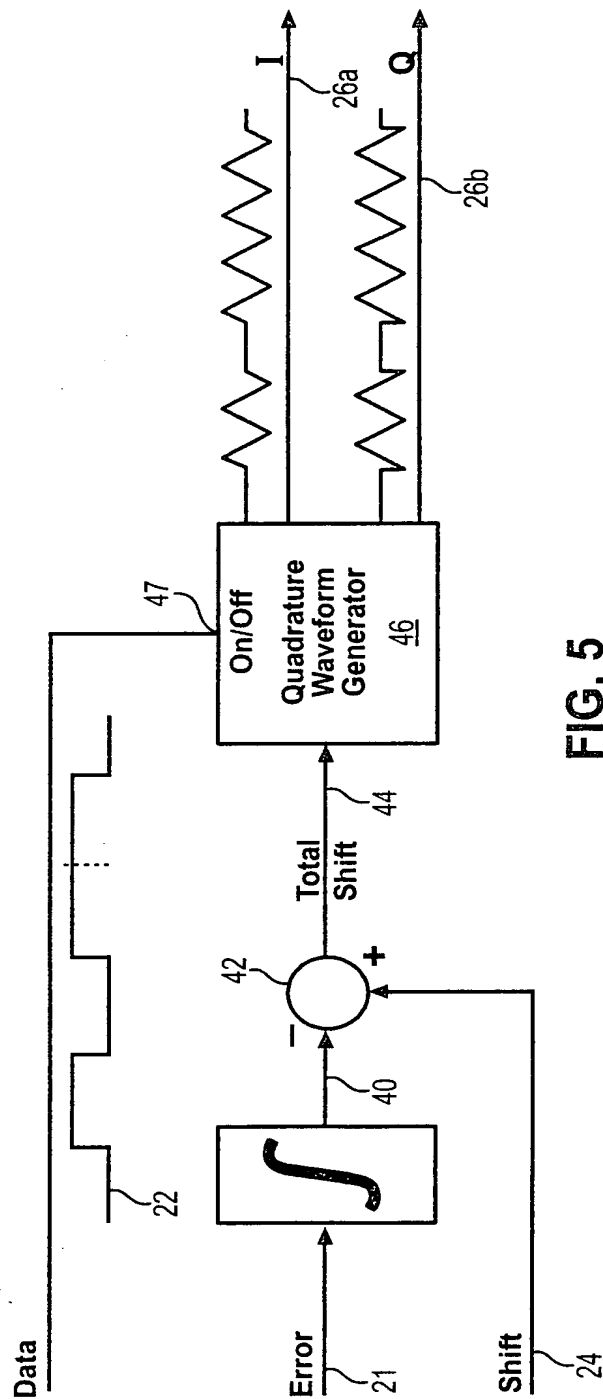


FIG. 5

Phase Modulation Device

Phase Modulation Device

16b

26 V_1

λ Source

λ Channel

FIG. 6

Modulation Synthesizer (With Frequency Shift Keying)

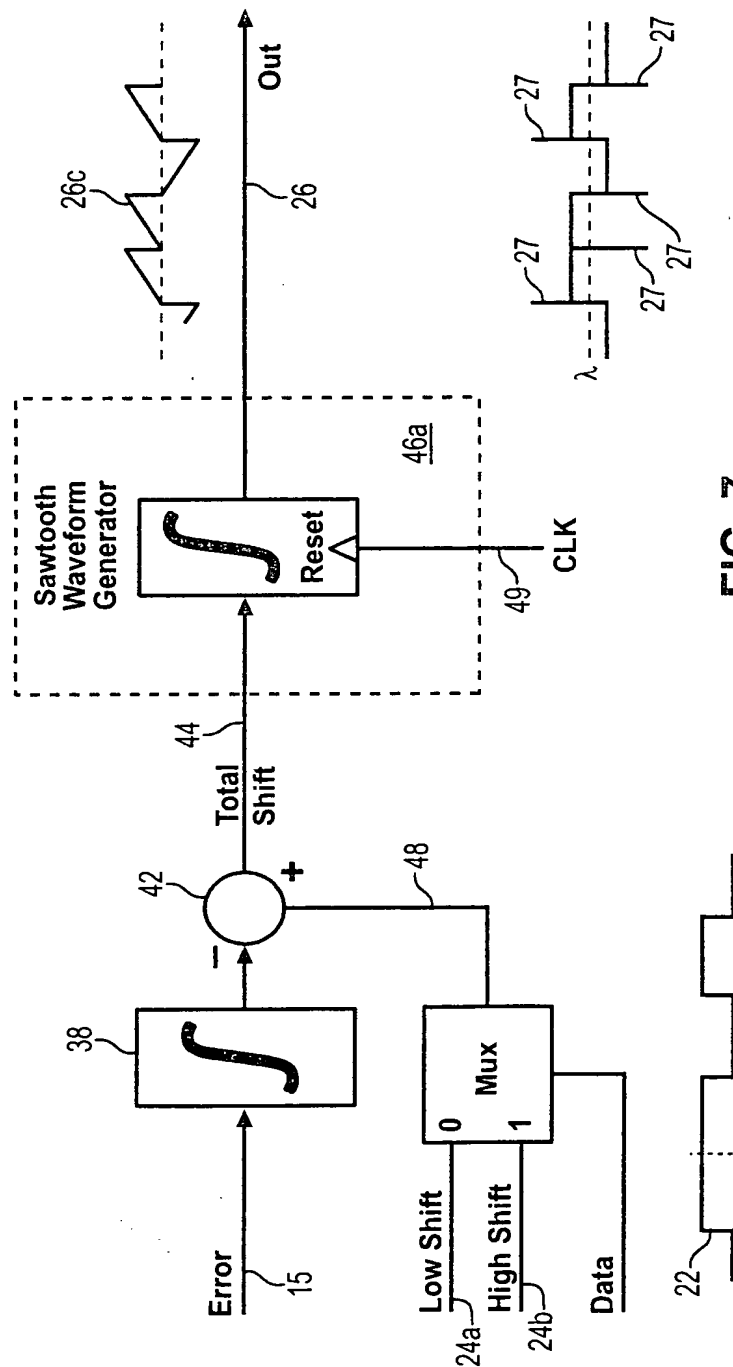


FIG. 7

Wavelength Error Detector (Fixed Wavelength)

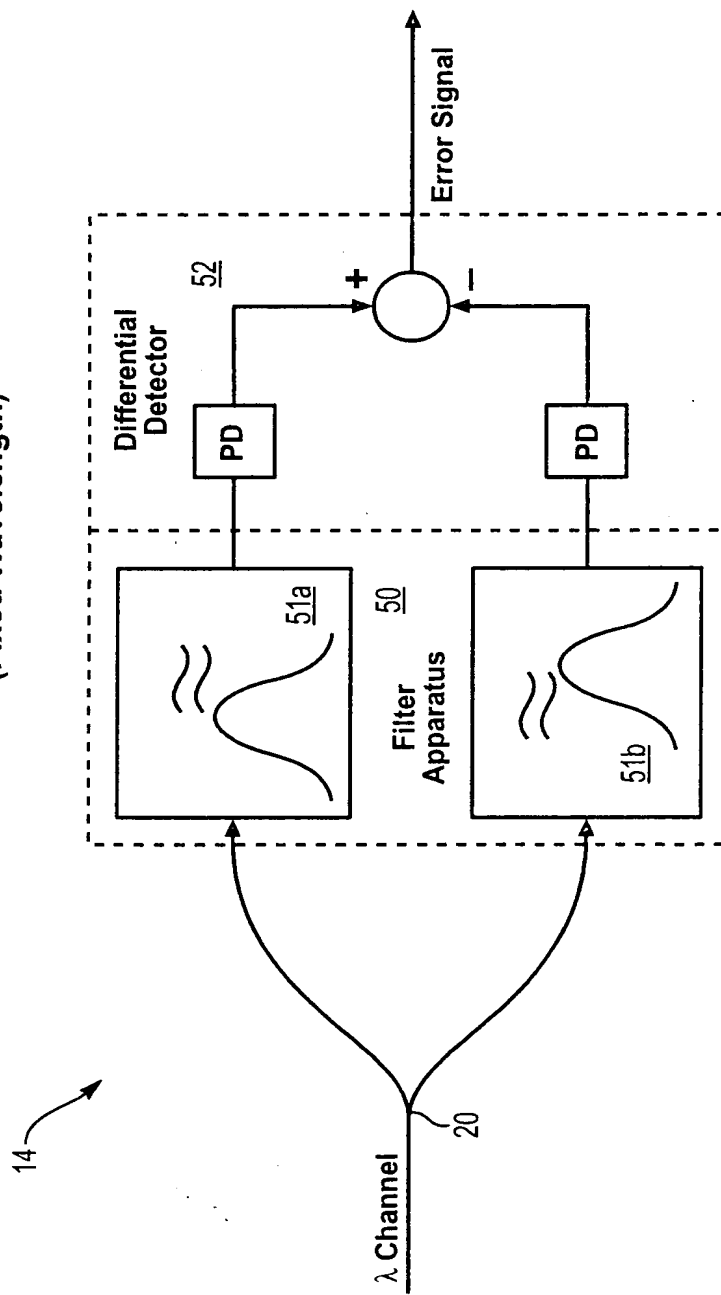


FIG. 8

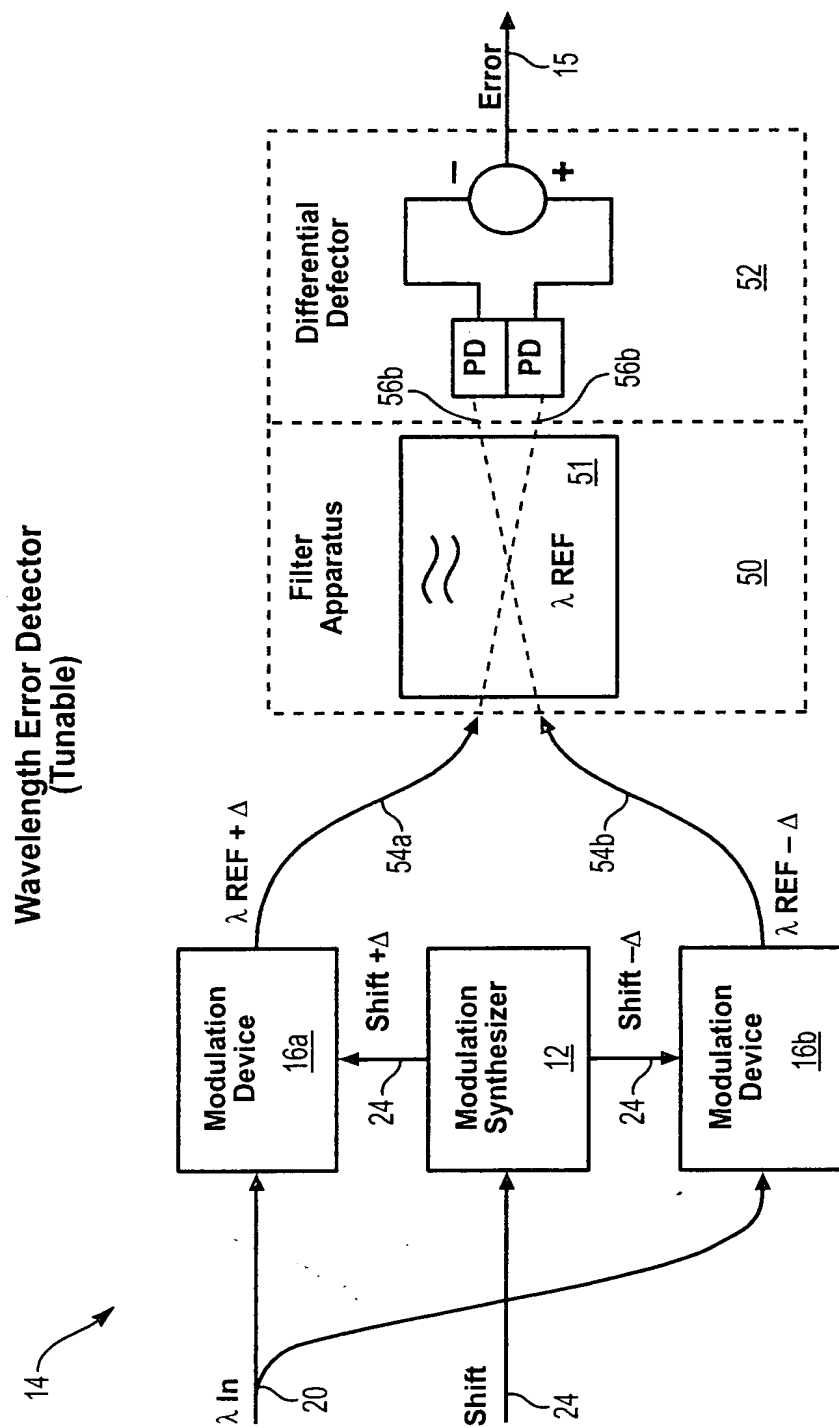


FIG. 9

14

Wavelength Error Detector (Tunable)

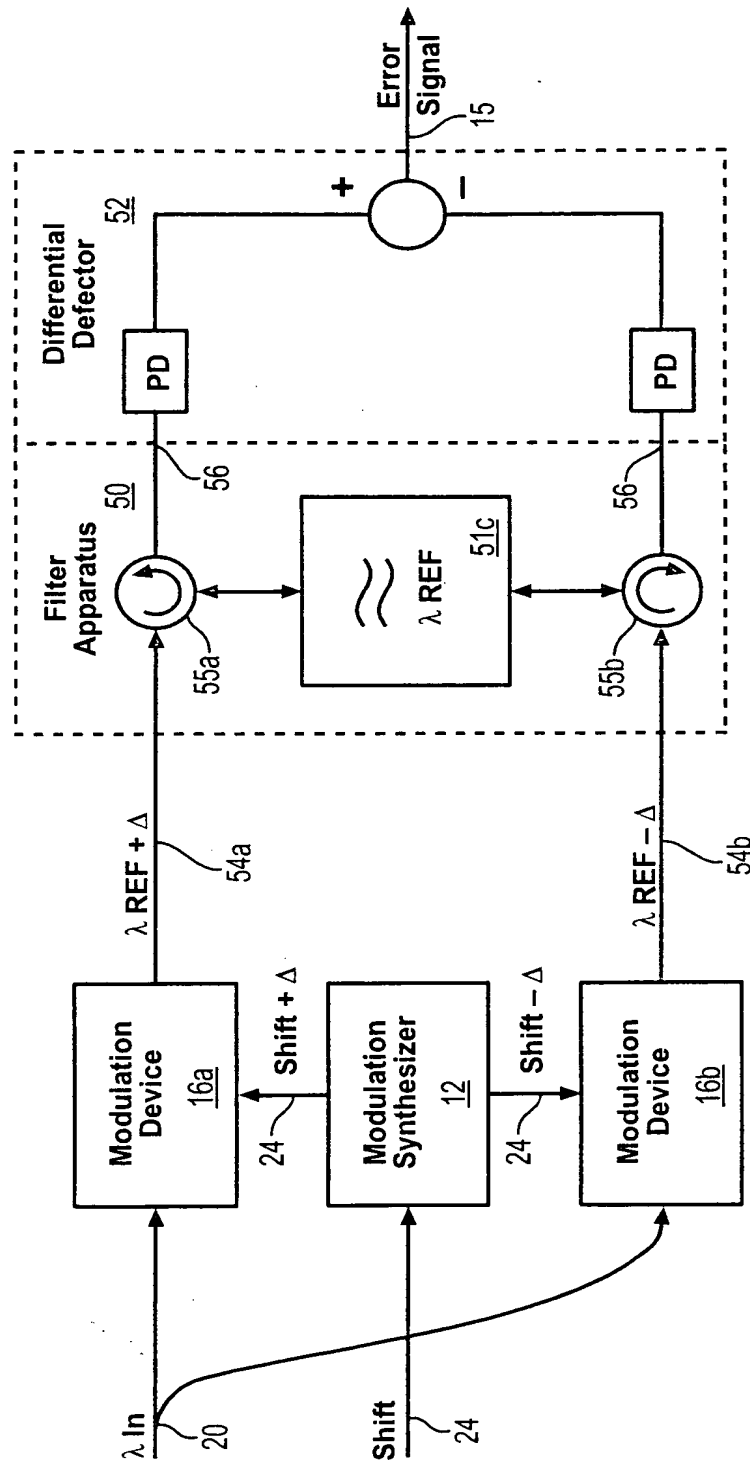


FIG. 10

Channel Allocation Mechanism

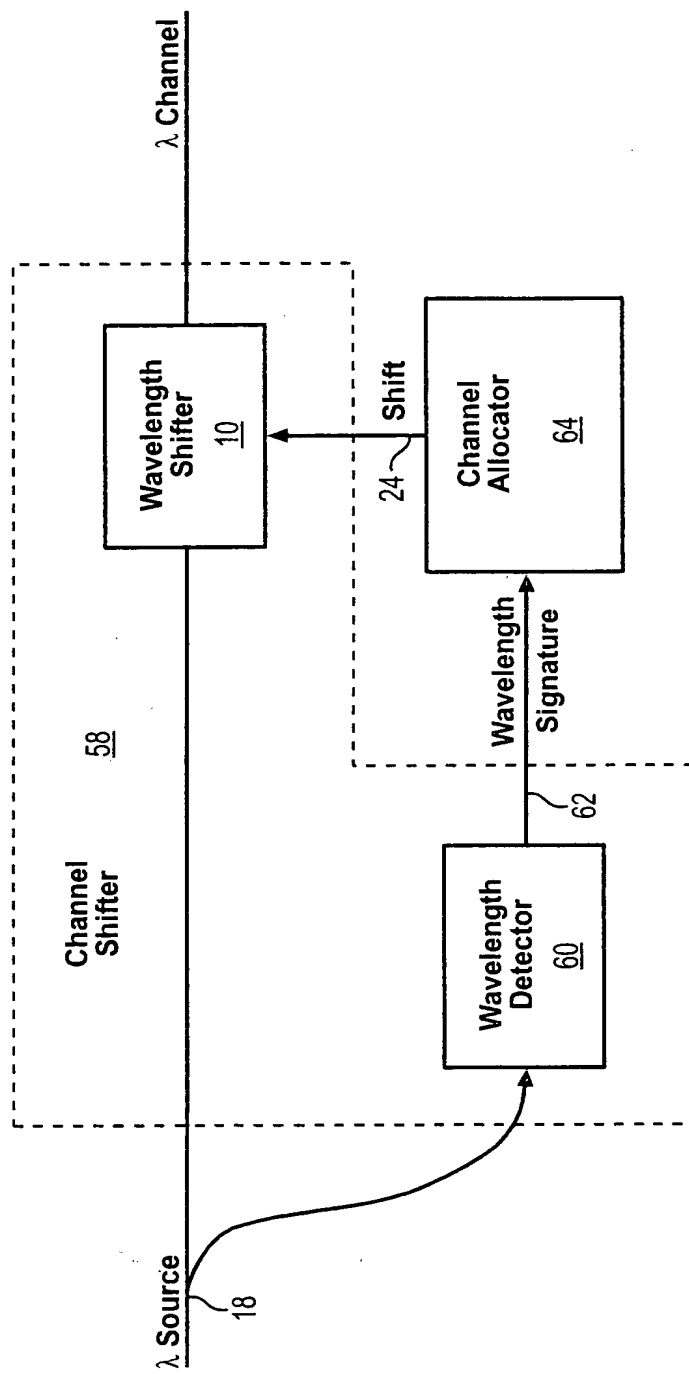


FIG. 11

Tunable Wavelength Stabilized Transmitter

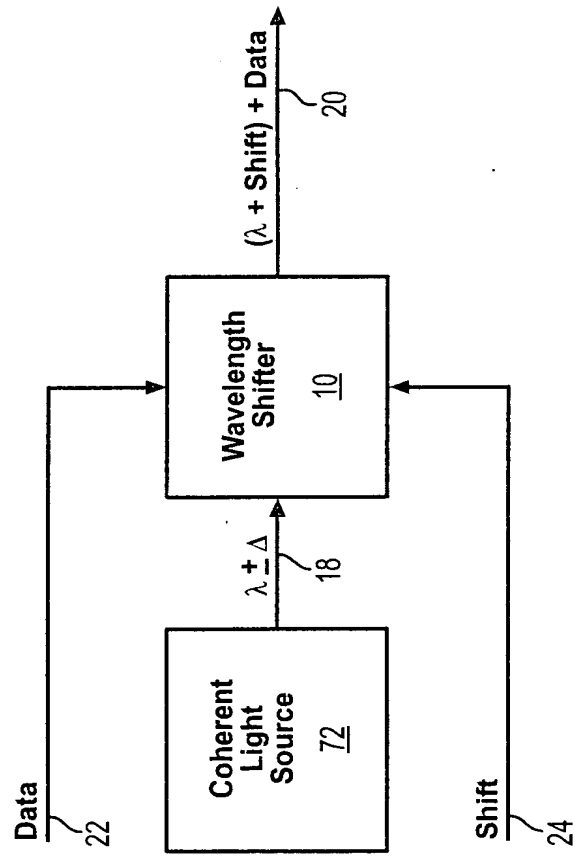


FIG. 12

Recursive Wavelength Shifter

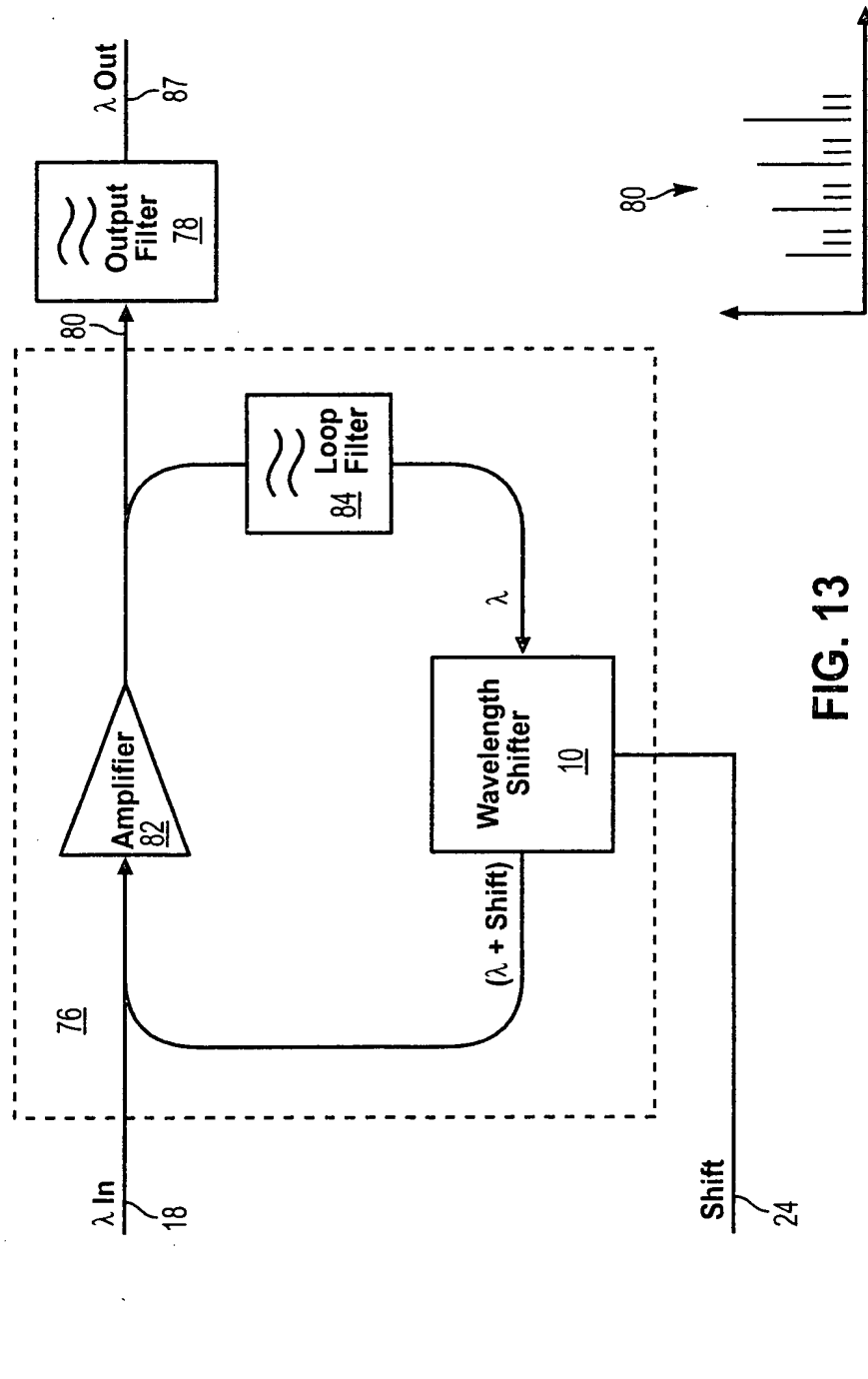


FIG. 13

FIG. 14 is a block diagram of a system for processing a signal.

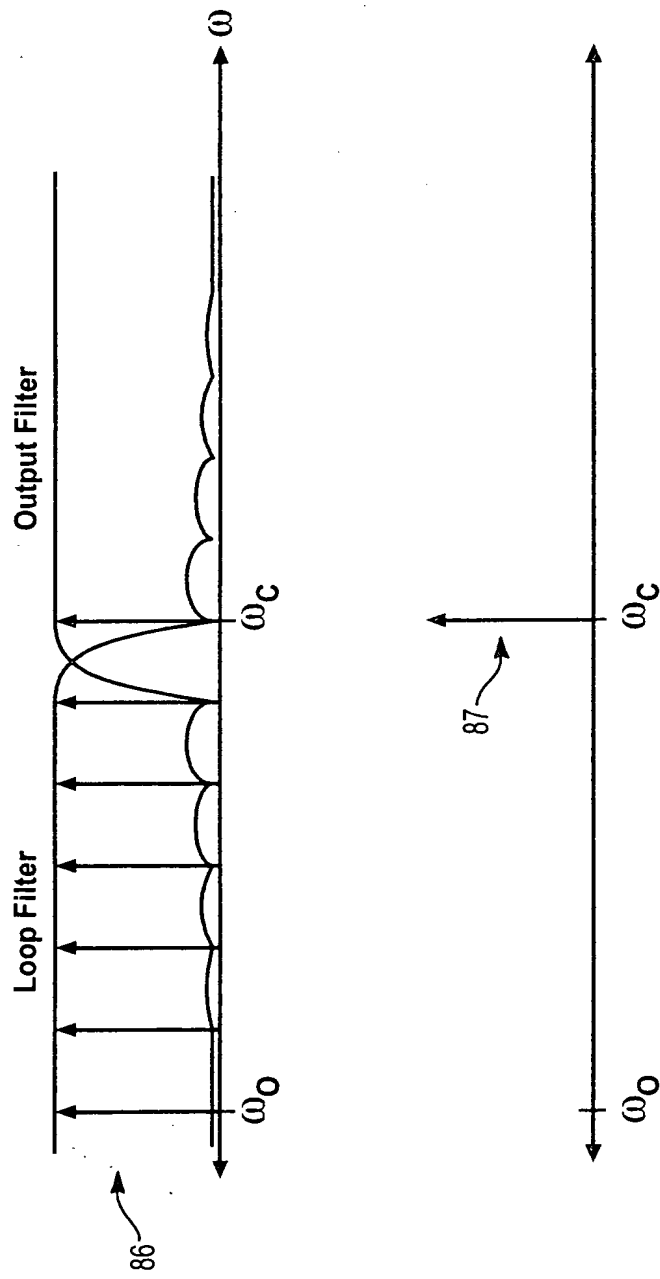


FIG. 14